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File 654:US PAT.FULL. 1990-1998/Jan 27

(c) format only 1998 Knight-Ridder Info

*File 654: Reassignment data now current through 08/28/97.

Reexamination, extension, expiration, reinstatement updated weekly.

File 348:EUROPEAN PATENTS 1978-1998/Jan W3

(c) 1998 EUROPEAN PATENT OFFICE

*File 348: *** All EPO Fulltext data is now online and current! ***

New fulltext will be added weekly. See HELP NEWS 348 for details.

File 653:US Pat.Fulltext 1980-1989

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*File 653: Reassignment data now current through 08/28/97.

Reexamination, extension, expiration, reinstatement updated weekly.

File 5:BIOSIS PREVIEWS(R) 1969-1998/Jan W4

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File 340:CLAIMS(R)/US PATENT 1950-98/JAN 27

(c) 1998 IFI/PLENUM DATA CORP

*File 340: Updates and Alerts are now run weekly. File 125 is NOW merged with File 340 and closed. Enter HELP NEWS 340 for more info.

File 652:US Patents Fulltext 1971-1979

(c) format only 1998 Knight-Ridder Info

*File 652: Reassignment data now current through 08/28/97

Reexamination, extension, expiration, reinstatement updated weekly.

File 351:DERWENT WPI 1963-1997/UD=9805;UP=9802;UM=9751

(c)1998 Derwent Info Ltd

*File 351: Enter HELP NEWS 351 for info. about changes in DWPI coverage.

Output formats have changed for 1998. Enter HELP FORM351 for details.

File 442:AMA Journals 1982-1998/Jan W4

(c)1998 Amer Med Assn -FARS/DARS apply

File 434:Scisearch(R) Cited Ref Sci 1974-1998/Jan W4

(c) 1998 Inst for Sci Info

*File 434: Research Fronts, /RF and RF=, will no longer be supplied by ISI starting January 1998. RANK price increase. See HELP NEWS 434.
 File 669:Federal Register 1988-1998/Feb 02
 (c) 1998 The Dialog Corporation
 File 73:EMBASE 1974-1997/Dec W2
 (c) 1997 Elsevier Science B.V.
 *File 73: EMTAGS no longer in Embase as of 1/98. Type: HELP NEWS 73 for details.
 File 155:MEDLINE(R) 1966-1998/Mar W4
 (c) format only 1998 The Dialog Corp
 *File 155: reloaded for 1998
 File 347:JAPIO Oct 1976-1997/Sep.(UPDATED 980126)
 (c) 1998 JPO & JAPIO
 File 76:Life Sciences Collection 1982-1997/Nov
 (c) 1998 Cambridge Sci Abs
 File 444:New England Journal of Med. 1985-1998/Feb W1
 (c) 1998 Mass. Med. Soc.
 File 624:McGraw-Hill Publications 1985-1998/Jan 29
 (c) 1998 McGraw-Hill Co. Inc
 *File 624: INDEPENDENT POWER REPORT is now named JN=GLOBAL POWER REPORT
 File 636:IAC Newsletter DB(TM) 1987-1998/Feb 02
 (c) 1998 Information Access Co.
 *File 636: Company names are now searchable using /CO and CO=.
 File 764:BCC Market Research 1989-1998/Jan
 (c) 1998 Business Communication Co.
 *File 764: /CO, CO=, and SF=TABLE now searchable;
 KWIC costs \$3.70 in this file.

Set	Items	Description
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S1	687	(AGGLUTINATION OR AGGREGATION OR NEPHELOMETR? OR TURBIDIMETR? OR TURBIDOM?) AND (SOLUBLE OR LIQUID OR FREE) (3N) (ANTIBODY OR ANTIGEN OR LIGAND OR RECEPTOR) AND (SOLID OR IMMOBIL?) (3N-) (ANTIGEN OR ANTIBODY OR RECEPTOR OR LIGAND)

? t s1/pn,ab/18,22,31,82,84,86,114,126,563,595,656

>>>Some display codes not found in file 442: PN
 >>>Some display codes not found in file 434: PN
 >>>Some display codes not found in file 73: PN
 >>>Some display codes not found in file 155: PN
 >>>Some display codes not found in file 444: PN
 >>>No matching display code(s) found in file(s): 624, 636, 669, 764

1/PN,AB/18 (Item 18 from file: 654)
 DIALOG(R)File 654:(c) format only 1998 Knight-Ridder Info. All rts. reserv.

PATENT NO.: 5,679,582
 ISSUED: October 21, 1997 (19971021)

ABSTRACT

A novel method for screening chemical compounds, test ligands, for potential pharmaceutical effectiveness. The disclosed method identifies possible therapeutic test ligands by placing them in the presence of target proteins and determining the ability of test ligands to increase the ratio of folded target protein to unfolded target protein. This differs significantly from known methods of novel pharmaceutical testing in that the biochemical function of the target protein need not be known and, except for one of the five embodiments of the method, the existence of any known ligands of the target protein is unnecessary.

1/PN,AB/22 (Item 22 from file: 654)
DIALOG(R)File 654:(c) format only 1998 Knight-Ridder Info. All rts. reserv.

PATENT NO.: 5,674,700
ISSUED: October 07, 1997 (19971007)

ABSTRACT

An assay for detecting the presence and amount of a hormone in culture media or a biological sample includes the steps of preincubating two antibodies specific for the hormone to be assayed in a preincubation medium that is essentially free of the hormone to be detected, contacting a sample to be tested with the preincubated antibodies, and detecting hormone-antibody complexes formed in the contacting step. This assay reduces or eliminates non-specific interference and thereby increases the sensitivity of the assay.

1/PN,AB/31 (Item 31 from file: 654)
DIALOG(R)File 654:(c) format only 1998 Knight-Ridder Info. All rts. reserv.

PATENT NO.: 5,658,725
ISSUED: August 19, 1997 (19970819)

ABSTRACT

Subject matter of the invention are protein-containing interference-reducing agents for immunoassays consisting of protein aggregates that are acylated with --CO--R groups, wherein R is a branched or non-branched C1-C4 alkyl residue which can be substituted with hydroxy, carboxy, SO sub 3 H or PO sub 3 H sub 2 groups. These interference-reducing substances can be used together with a buffer as an interference-reducing agent or together with an immunological binding partner as a binding reagent to reduce non-specific interactions in immunoassays. Another subject matter of the invention is an immunological testing method wherein said interference-reducing substances are used.

1/PN,AB/82 (Item 82 from file: 654)
DIALOG(R)File 654:(c) format only 1998 Knight-Ridder Info. All rts. reserv.

PATENT NO.: 5,585,278
ISSUED: December 17, 1996 (19961217)

ABSTRACT

Antibody-latex reagents are prepared that utilize a novel site-specific covalent linkage of antibodies, via their interfering Fc moieties, onto novel polymeric latex sphere substrates, thereby preserving the antigen binding sites of the antibodies. This immobilization of antibodies is essential for high specific activity and sensitivity assays, and is also economical and much simpler than other covalent immobilizations.

1/PN,AB/84 (Item 84 from file: 654)
DIALOG(R)File 654:(c) format only 1998 Knight-Ridder Info. All rts. reserv.

PATENT NO.: 5,583,054
ISSUED: December 10, 1996 (19961210)

ABSTRACT

The present invention provides a method for determining the presence of a class of an antibody in a biological sample. In this method, a first reagent including insoluble particles having an **antigen** to the **antibody immobilized** on the surface thereof, and a second reagent including insoluble magnetic particles having immobilized on the surface thereof a substance particularly reactive to a specific immunoglobulin class, is reacted with the sample under conditions to promote **agglutination** of the first and second reagents with the antibody. The unreacted second reagent and the agglutinate are separated from the unreacted first reagent by application of a magnetic field. Then the amount of unreacted first reagent is determined.

1/PN,AB/86 (Item 86 from file: 654)
DIALOG(R)File 654:(c) format only 1998 Knight-Ridder Info. All rts. reserv.

PATENT NO.: 5,583,003
ISSUED: December 10, 1996 (19961210)

ABSTRACT

The assay off the present Invention is of particular use for detecting drugs, hormones, steroids, antibodies and other molecules circulating in the blood of a mammal or other animal.

1/PN,AB/114 (Item 114 from file: 654)
DIALOG(R)File 654:(c) format only 1998 Knight-Ridder Info. All rts. reserv.

PATENT NO.: 5,541,069
ISSUED: July 30, 1996 (19960730)

ABSTRACT

An assay for determining the presence of a threshold concentration of an analyte in a sample comprises first reacting the sample with an amount of anti-analyte selected to reduce the free analyte to a marginally detectable concentration. The sample is then contacted with anti-analyte immobilized on a test region or indicator zone on a solid phase, whereby the residual free analyte may be bound. The binding of free analyte to immobilized anti-analyte is detected by a variety of techniques to indicate the presence of the threshold concentration. By employing limited amounts of

anti-analyte on the solid phase, the change between maximum binding of label and no binding of label will be responsive to very small changes in the analyte concentration originally present in the sample.

1/PN,AB/126 (Item 126 from file: 654)
DIALOG(R)File 654:(c) format only 1998 Knight-Ridder Info. All rts. reserv.

PATENT NO.: 5,512,659
ISSUED: April 30, 1996 (19960430)

ABSTRACT

A method for carrying out an immunoassay for an analyte in which a sample suspected of containing an analyte and reagents useful for detecting the analyte of interest are combined in an aqueous medium, wherein one of the reagents includes a support and one includes a label, the improvement comprising employing as the reagents a first and second conjugate, each comprised of a specific binding pair (sbp) member bound to a small molecule wherein the small molecules of each conjugate are different.

1/PN,AB/563 (Item 36 from file: 653)
DIALOG(R)File 653:(c) format only 1998 Knight-Ridder Info. All rts. reserv.

PATENT NO.: 4,727,024
ISSUED: February 23, 1988 (19880223)

ABSTRACT

A methodology for the detection of an analyte of interest in a fluid sample through the formation, growth, and optical detection of light scattering crystals. The methodology provides for direct assay and competitive binding assay protocols using pairs of specifically binding compositions and novel innovations in crystal growth technology to provide an analytical method which is useful in immunodiagnostic, environmental, and biochemical applications. The methodology and test kit apparatus provides rapid, reproducible, and accurate data and is sensitive for the detection of an analyte of interest present in the nanogram per milliliter range.

1/PN,AB/595 (Item 68 from file: 653)
DIALOG(R)File 653:(c) format only 1998 Knight-Ridder Info. All rts. reserv.

PATENT NO.: 4,590,156
ISSUED: May 20, 1986 (19860520)

ABSTRACT

A solid support is sensitized with **soluble** rubella virus **antigen** which is obtained by disruption and solubilization of whole (intact) rubella virus. The sensitized support is useful in an assay for rubella virus antibody.

1/PN,AB/656 (Item 4 from file: 340)
DIALOG(R)File 340:(c) 1998 IFI/PLENUM DATA CORP. All rts. reserv.

Patent(No,Date);Applic(No,Date): US 4590156 860520 US 380537 820521
Abstract:

A solid support is sensitized with **soluble** rubella virus **antigen** which is obtained by disruption and solubilization of whole (intact) rubella virus. The sensitized support is useful in an assay for rubella virus antibody.

? t s1/5/323,366,393,433,440,443,449,464,469,663

1/5/323 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00896490

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Agglutination immunoassay

Agglutinations-Immunotest

Immunoessai a **agglutination**

PATENT ASSIGNEE:

DAIICHI PURE CHEMICALS CO. LTD., (611920), 13-5, Nihonbashi 3-chome, Chuo-ku Tokyo, (JP), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Saitoh, Kazunori, c/o Daiichi Pure Chem. Co., Ltd., Tsukuba Dev.Lab.,

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Manabe, Mitsuhsa, Daiichi Pure Chem. Co., Ltd., Tsukuba Dev.Lab., 3-1,

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LEGAL REPRESENTATIVE:

Wachtershauser, Gunter, Prof. Dr. (12711), Patentanwalt, Tal 29, 80331 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 818680 A1 980114 (Basic)

APPLICATION (CC, No, Date): EP 97111863 970711;

PRIORITY (CC, No, Date): JP 96183279 960712

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G01N-033/546;

ABSTRACT EP 818680 A1

Disclosed herein is an immunoassay comprising reacting an **immobilized antibody** obtained by holding an antibody, which recognizes a part of an objective antigen of determination, on insoluble carrier particles with an antigen in a test specimen, then reacting a **free antibody**, which recognizes an antigen site different from that recognized by the **immobilized antibody**, with the **antigen**; or reacting a **free antibody**, which recognizes a part of an objective antigen of determination, with an antigen in a test specimen, then reacting an **immobilized antibody** obtained by holding an antibody, which recognizes an antigen site different from that recognized by the **free antibody**, on insoluble carrier particles with the antigen, and optically determining the degree of a change in **agglutination** occurred by the reaction.

The immunoassay of the invention has advantages that it has high specificity and is simple and low in cost, and with respect to the antibodies used, insofar as one of the **immobilized antibody** and the **free antibody** has high specificity for the objective antigen of determination, the other antibody does not need to have strict specificity and may have some cross-reactivity.

ABSTRACT WORD COUNT: 185

LEGAL STATUS (Type, Pub Date, Kind, Text):

instant

Application: 980114 A1 Published application (A1with Search Report
;A2without Search Report)
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count
CLAIMS A (English) 9803 279
SPEC A (English) 9803 3317
Total word count - document A 3596
Total word count - document B 0
Total word count - documents A + B 3596

1/5/366 (Item 44 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00621541

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Method for determination of a component of a sample.

Verfahren zur Bestimmung einer Komponente in einer Probe.

Methode pour determiner d'une constituante d'un echantillon.

PATENT ASSIGNEE:

BOEHRINGER MANNHEIM CORPORATION, (675062), 9115 Hague Road, Indianapolis
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INVENTOR:

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Buck, Harvey, c/o Boehringer Mannheim Corp., 9115 Hague Road,
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Schrenk, Jorgen, 11 Westbrooke Blvd., Cranbury, NJ 08512, (US)

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Sandhofer Strasse 116, D-68298 Mannheim, (DE)

PATENT (CC, No, Kind, Date): EP 596867 A1 940511 (Basic)

APPLICATION (CC, No, Date): EP 94101515 881229;

PRIORITY (CC, No, Date): US 146574 880121

DESIGNATED STATES: DE; ES; FR; GB; IT

INTERNATIONAL PATENT CLASS: G01N-033/543;

ABSTRACT EP 596867 A1

This invention relates to a method for determining a component of a test sample with a solid support, said support having incorporated therein a removable first monoclonal antibody which binds to said component and a labeled monoclonal antibody or fragment of a monoclonal antibody which binds to said component wherein said first monoclonal antibody and said labeled monoclonal antibody or monoclonal antibody fragment are derived from the same species under conditions favoring formation of a complex of said first monoclonal antibody said component and said labeled monoclonal antibody or fragment, contacting said complex with an **immobilized** second **receptor** which binds to said first monoclonal antibody but not to said labeled monoclonal antibody or fragment under conditions favoring formation of a quaternary complex between said first complex and said **immobilized receptor**, and measuring label either in said quaternary complex or in a residue of said sample as a measure of said component.

ABSTRACT WORD COUNT: 153

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 940511 A1 Published application (A1with Search Report

Examination: 940511 A1 ;A2without Search Report)
 Date of filing of request for examination:
 940202
 *Assignee: 951102 A1 Applicant (transfer of rights) (change):
 BOEHRINGER MANNHEIM CORPORATION (675063) 9115
 Hague Road, P.O. Box 50528 Indianapolis,
 Indiana 46250-0528 (US) (applicant designated
 states: DE;ES;FR;GB;IT)
 Examination: 970416 A1 Date of despatch of first examination report:
 970304

LANGUAGE (Publication,Procedural,Application): English; English; English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	346
SPEC A	(English)	EPABF2	5412
Total word count - document A			5758
Total word count - document B			0
Total word count - documents A + B			5758

1/5/393 (Item 71 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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00509600

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 IMPROVED LIGAND ASSAY

VERBESSERTES BESTIMMUNGSVERFAHREN FUR LIGANDEN

ANALYSE DE DETECTION AMELIOREE DE LIGANDS

PATENT ASSIGNEE:

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 AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

AKERS, Raymond, F., Jr., 512 Swiftwater Court, Sewell, NJ 08080, (US)

LEGAL REPRESENTATIVE:

Hallybone, Huw George et al (53031), CARPMAELS AND RANSFORD 43 Bloomsbury
 Square, London WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 556202 A1 930825 (Basic)
 EP 556202 A1 940601
 EP 556202 B1 970514
 WO 9205440 920402

APPLICATION (CC, No, Date): EP 91917899 910923; WO 91US6870 910923

PRIORITY (CC, No, Date): US 588670 900926

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G01N-033/546

CITED PATENTS (EP A): EP 293779 A; EP 297292 A; EP 280559 A; EP 310872 A;
 EP 310862 A

CITED PATENTS (WO A): US 4459361 A; US 4459361 A; US 4943522 A; US 4943522
 A; US 4756884 A; US 4756884 A

CITED REFERENCES (EP A):

See also references of WOA 9205440;

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 930825 A1 Published application (A1with Search Report
 ;A2without Search Report)

Examination: 930825 A1 Date of filing of request for examination:
 930426

Search Report: 940601 A1 Drawing up of a supplementary European search
 report: 940414

Change: 940601 A1 International patent classification (change)

Examination: 950412 A1 Date of despatch of first examination report:
950223

Change: 970102 A1 Representative (change)

*Assignee: 970102 A1 Applicant (transfer of rights) (change): Akers
Laboratories, Inc. (1488421) 201 Grove Road
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(1488420) 201 Grove Road Thorofare, NJ 08086
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Grant: 970514 B1 Granted patent

Change: 970806 B1 International patent classification (change)

Change: 970806 B1 Title of invention (German) (change)

Change: 970806 B1 Title of invention (English) (change)

Change: 970806 B1 Title of invention (French) (change)

Change: 970813 B1 Title of invention (German) (change)

Change: 970813 B1 Title of invention (English) (change)

Change: 970813 B1 Title of invention (French) (change)

Lapse: 980107 B1 Date of lapse of the European patent in a
Contracting State: AT 970514

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB97	1136
CLAIMS B	(German)	EPAB97	1274
CLAIMS B	(French)	EPAB97	1401
SPEC B	(English)	EPAB97	4994
Total word count - document A			0
Total word count - document B			8805
Total word count - documents A + B			8805

1/5/433 (Item 111 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00369068

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Latex particles in analytical reagents, elements and methods.

Latexteilchen fur analytische Reagenzien, Verbindungen und Verfahren.

Particules de latex pour reactifs analytiques, composes et methodes.

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201214), 343 State Street, Rochester New York
14650, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

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Bale, Marsha Denise c/o EASTMAN KODAK COMPANY, Patent Department 343
State Street, Rochester New York 14650, (US)

LEGAL REPRESENTATIVE:

Phillips, Margaret Dawn et al (60331), Kodak Limited Patent Department
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PATENT (CC, No, Kind, Date): EP 360452 A2 900328 (Basic)
EP 360452 A3 920108

APPLICATION (CC, No, Date): EP 89308959 890905;

PRIORITY (CC, No, Date): US 240765 880906

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: C08F-008/26; G01N-033/53;
CITED PATENTS (EP A): DD 149679 A; DE 3338759 C; US 4258001 A; BE 786425 A;
US 4563431 A; GB 1321352 A

CITED REFERENCES (EP A):

ORGANIC SYNTHESIS Coll. Vol. IV & SONS, NEW YORK, 1963
DATABASE WPI, no. 75-02710W, Derwent & JP-A-49095930 (FUJI
FOTO FILM CO.) 11-09-74
L. F. FIESER, M. FIESER REAGENTS FOR ORGANIC
SYNTHESIS VOL. 1 & SONS, NEW YORK, 1967
G. SIMCHEN in HOUBEN-WEYL - METHODEN DER ORGANISCHEN
CHEMIE, VOL. E3 GEORG THIEME VERLAG, STUTTGART, 1983;

ABSTRACT EP 360452 A2

There is disclosed a method of making a latex comprising an aqueous phase having dispersed therein non-porous monodisperse surfactant-free polymeric particles having benzaldehyde groups on the surfaces thereof wherein the polymer particles comprise from 5 to 100 weight percent of recurring benzaldehyde units. The method comprises the step of reacting a polymer having recurring vinylbenzylic halide units with an alkali nitroalkanenitronate and an alkoxide in the presence of water and a water-miscible organic solvent. The polymeric particles of the latex are useful in immunoassays.

ABSTRACT WORD COUNT: 88

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 900328 A2 Published application (Alwith Search Report
;A2without Search Report)
Search Report: 920108 A3 Separate publication of the European or
International search report
Withdrawal: 930324 A2 Date on which the European patent application
was deemed to be withdrawn: 920709

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	472
SPEC A	(English)	EPABF1	4746
Total word count - document A			5218
Total word count - document B			0
Total word count - documents A + B			5218

1/5/440 (Item 118 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00361526

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Method for determining antigen.

Verfahren zur Bestimmung von Antigenen.

Procede pour la determination d'antigenes.

PATENT ASSIGNEE:

BOSTON BIOMEDICAL RESEARCH INSTITUTE, INC., (353660), 20 Staniford Street
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Deh, Mercy E., 54 Mercer Street, Somerville New Jersey 08876, (US)

Davison, Peter F., 193 Cedar Street, Lexington Massachussetts 02173, (US)

LEGAL REPRESENTATIVE:

Deans, Michael John Percy et al (30021), Lloyd Wise, Tregear & CO. Norman

House 105-109 Strand, London WC2R OAE, (GB)
 PATENT (CC, No, Kind, Date): EP 328372 A2 890816 (Basic)
 EP 328372 A3 910102
 APPLICATION (CC, No, Date): EP 89301214 890208;
 PRIORITY (CC, No, Date): US 153704 880208
 DESIGNATED STATES: FR; GB; IT
 INTERNATIONAL PATENT CLASS: G01N-033/68; G01N-033/543; G01N-033/58;
 G01N-033/574;
 CITED PATENTS (EP A): WO 8700289 A; WO 8800702 A
 CITED REFERENCES (EP A):
 JOURNAL OF THE NATIONAL CANCER INSTITUTE, vol. 75, November 1984, pages
 1029-1038, Bethesda, MD, US; J.F. CODINGTON et al.: "Antibody to
 epiglycanin and radioimmunoassay to detect epiglycanin-related
 glycoproteins in body fluids of cancer patients";

ABSTRACT EP 328372 A2

To determine an antigen in a fluid sample an antibody to the antigen is first provided. The fluid sample is contacted with the antibody so that the antigen in the sample forms an immunocomplex with the antibody. A lectin is contacted with the antigen so that the lectin binds to the antigen. Lectin-bound immunocomplexed antigen is separated from any of the lectin not bound to the immunocomplexed antigen and from the fluid sample. The lectin-bound immunocomplexed antigen is detected. A method is also described for extracting a glycoprotein from a clinical sample by contacting the sample with perchloric acid, centrifuging to provide a first supernatant, contacting the first supernatant with potassium bicarbonate, and centrifuging to provide a second supernatant containing the glycoprotein.

ABSTRACT WORD COUNT: 126

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890816 A2 Published application (Alwith Search Report
 ;A2without Search Report)
 Change: 901010 A2 Obligatory supplementary classification
 (change)
 Search Report: 910102 A3 Separate publication of the European or
 International search report
 Withdrawal: 910313 A2 Date on which the European patent application
 was withdrawn: 910123

LANGUAGE (Publication,Procedural,Application): English; English; English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	472
SPEC A	(English)	EPABF1	3675
Total word count - document A			4147
Total word count - document B			0
Total word count - documents A + B			4147

1/5/443 (Item 121 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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00358524

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Novel heterogeneous immunoassay.

Heterogener Immunttest.

Immunoessai heterogene.

PATENT ASSIGNEE:

ORION CORPORATION, Orion, (1457551), Diagnostica Division, P.O. Box 83,

SF-02101 Espoo, (FI), (applicant designated states:
BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)

INVENTOR:

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Bailey, Anne, 57 Elmwood Terrace, Wayne, NJ 07470, (US)

LEGAL REPRESENTATIVE:

de Bruijn, Leendert C. et al (19641), Nederlandsch Octrooibureau P.O. Box
29720, NL-2502 LS Den Haag, (NL)

PATENT (CC, No, Kind, Date): EP 345897 A2 891213 (Basic)
EP 345897 A3 910515
EP 345897 B1 951108

APPLICATION (CC, No, Date): EP 89201439 890605;

PRIORITY (CC, No, Date): US 203483 880606

DESIGNATED STATES: BE; CH; DE; ES; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: G01N-033/543; G01N-033/548;

CITED PATENTS (EP A): WO 8606491 A; EP 253270 A; GB 2138131 A; US 3970429 A
; FR 2277563 A

ABSTRACT EP 345897 A2

There is disclosed an immunoassay which utilizes reagents in the form
of a tablet to aid in rapid separation of a solid-phase reactant from the
liquid supernatant, and the use of a diluent, preferably Tris buffer, to
aid in the liberation of unbound labeled reactant from the solid-phase
upon which the measurement of absorbance of the label is conducted.

ABSTRACT WORD COUNT: 63

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 891213 A2 Published application (Alwith Search Report
;A2without Search Report)
Search Report: 910515 A3 Separate publication of the European or
International search report
Examination: 920212 A2 Date of filing of request for examination:
911210
Examination: 931124 A2 Date of despatch of first examination report:
931012
Change: 950913 A2 Representative (change)
*Assignee: 950913 A2 Applicant (transfer of rights) (change): ORION
CORPORATION, Orion (1457551) Diagnostica
Division, P.O. Box 83 SF-02101 Espoo (FI)
(applicant designated states:
BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)
*Assignee: 950913 A2 Previous applicant in case of transfer of
rights (change): PHOTEST DIAGNOSTICS, INC.
(716841) 101 East Main Street Little Falls, New
Jersey 07424 (US) (applicant designated states:
BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)
Grant: 951108 B1 Granted patent
Lapse: 960731 B1 Date of lapse of the European patent in a
Contracting State: BE 951108
Oppn None: 961030 B1 No opposition filed
Change: 961113 B1 Rectifications of patent specifications
(change): (B1) (951108)

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	163
CLAIMS B	(English)	EPAB95	160
CLAIMS B	(German)	EPAB95	178
CLAIMS B	(French)	EPAB95	202
SPEC A	(English)	EPABF1	1940

SPEC B (English) EPAB95 2061
Total word count - document A 2103
Total word count - document B 2601
Total word count - documents A + B 4704

1/5/449 (Item 127 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00342694

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Simple method for immunological assay.

Einfache Methode für immunologische Untersuchung.

Methode facile pour le dosage immunologique.

PATENT ASSIGNEE:

TEIKOKU HORMONE MFG. CO., LTD., (243940), 5-1, 2-chome, Akasaka,
Minato-ku, Tokyo, (JP), (applicant designated states:
AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Manita, Hideaki, 1-11-20, Misono, Sagamihara-shi Kanagawa-ken, (JP)
Takegawa, Toshiko No. 1-2, TEIKOKU HORMONE MFG., Shataku, 1198,
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Nonaka, Kazuhiko, 6-12-19, Tamadaira, Hino-shi Tokyo, (JP)
Sasamoto, Hidehiko, 3-26-8, Eifuku Suginami-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Hansen, Bernd, Dr.rer.nat. et al (4922), Hoffmann, Eitle & Partner
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(DE)

PATENT (CC, No, Kind, Date): EP 396801 A1 901114 (Basic)

APPLICATION (CC, No, Date): EP 89108493 890511;

PRIORITY (CC, No, Date): EP 89108493 890511

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G01N-033/538; G01N-033/58; G01N-033/546;

G01N-033/74; G01N-033/68;

CITED PATENTS (EP A): EP 310862 A; EP 302673 A; EP 302673 A; EP 291176 A;

WO 8505451 A; WO 8505451 A; EP 239318 A; EP 310406 A; EP 293779 A; EP
312394 A

ABSTRACT EP 396801 A1

Using an antibody-carrying membrane having carried a first antibody on a porous carrier membrane and an antibody-carrying latex having carried a second antibody having an antigenic determinant different from the first antibody on latex colored with a color different from that of the carrier membrane, an analyte can be assayed in a simple manner with high sensitivity. This assay method utilizing immunological reaction is characterized by visual determination and judgment of the results by change or contrast in color.

ABSTRACT WORD COUNT: 83

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 901114 A1 Published application (A1with Search Report
;A2without Search Report)

Examination: 910313 A1 Date of filing of request for examination:
910115

Examination: 930113 A1 Date of despatch of first examination report:
921130

Refusal: 960228 A1 Date on which the European patent application
was refused: 951012

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	727
SPEC A	(English)	EPABF1	4580
Total word count - document A			5307
Total word count - document B			0
Total word count - documents A + B			5307

1/5/464 (Item 142 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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00316528

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Agglutination assay.

Agglutinationstest.

Essai d'**agglutination**.

PATENT ASSIGNEE:

AGEN LIMITED, (1016410), 11 Durbell Street, Acacia Ridge Queensland 4110,
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AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

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 , (AU)

Rylatt, Dennis B., 106 Howard Street, Rosalie Queensland 4064, (AU)

Kemp, Bruce E., 20 Kellett Grove, Kew Victoria 3101, (AU)

LEGAL REPRESENTATIVE:

Ritter, Stephen David et al (35281), Mathys & Squire 10 Fleet Street,
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PATENT (CC, No, Kind, Date): EP 308242 A2 890322 (Basic)
 EP 308242 A3 901010

APPLICATION (CC, No, Date): EP 88308590 880916;

PRIORITY (CC, No, Date): AU 874400 870917; AU 875018 871022; US 111313
 871022; US 143343 880113

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G01N-033/555; G01N-033/563; G01N-033/531;
 G01N-033/569; G01N-033/80; G01N-033/94

CITED PATENTS (EP A): EP 74271 A; EP 96463 A; WO 8504811 A; EP 143574 A; WO
 8803650 A

ABSTRACT EP 308242 A2

In a novel, erythrocyte **agglutination** assay, the
agglutination reagent comprises an erythrocyte binding portion
 attached to a specific analyte binding portion or to an analyte analogue
 wherein the reagent does not cause **agglutination** when incubated
 with endogenous erythrocytes in the absence of analyte or analyte binding
 reagent. Mixtures of reagents may also be used as **agglutination**
 reagents. The reagents and their use in direct or indirect assays is
 disclosed.

ABSTRACT WORD COUNT: 73

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890322 A2 Published application (Alwith Search Report
 ;A2without Search Report)

Search Report: 901010 A3 Separate publication of the European or
 International search report

Examination: 910515 A2 Date of filing of request for examination:
 910320

Examination: 930127 A2 Date of despatch of first examination report:
921214

Oppn None: 951227 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPBBF2	484
CLAIMS B	(English)	EPBBF2	2071
CLAIMS B	(German)	EPBBF2	2414
CLAIMS B	(French)	EPBBF2	1802
SPEC A	(English)	EPBBF2	6750
SPEC B	(English)	EPBBF2	11480
Total word count - document A			7234
Total word count - document B			17767
Total word count - documents A + B			25001

1/5/469 (Item 147 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00309692

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

Agglutination immunoassay and kit for determination of a multivalent immune species using a buffered salt wash solution.
Agglutinationsimmunotest und Satz zur Bestimmung einer mehrwertigen Immunspezies unter Verwendung einer gepufferten Salzwash-Lösung.
Essai immunologique d'**agglutination** et trousse de reactifs pour la determination d'une espece immunologique polyvalente utilisant une solution saline de nettoyage

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY (a New Jersey corporation), (201210), 343 State Street, Rochester New York 14650, (US), (applicant designated states: CH;DE;FR;GB;LI;SE)

INVENTOR:

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Belly, Robert Troconis, c/o EASTMAN KODAK Co., Patent Dept., 343 State Street, Rochester, NY 14650, (US)

LEGAL REPRESENTATIVE:

Nunney, Ronald Frederick Adolphe et al (34411), Kodak Limited Patent Department Headstone Drive, Harrow Middlesex HA1 4TY, (GB)

PATENT (CC, No, Kind, Date): EP 280559 A2 880831 (Basic)
EP 280559 A3 900919
EP 280559 B1 931020

APPLICATION (CC, No, Date): EP 88301654 880226;

PRIORITY (CC, No, Date): US 19850 870227

DESIGNATED STATES: CH; DE; FR; GB; LI; SE

INTERNATIONAL PATENT CLASS: G01N-033/546; G01N-033/569;

CITED PATENTS (EP A): US 4350677 A; US 4350677 A; EP 150567 A; US 4379847 A
; EP 64275 A

CITED REFERENCES (EP A):

PATENT ABSTRACTS OF JAPAN, vol. 6, no. 104 (P-122) 982 , 15th June 1982;
& JP-A-57 35 754 (TORAY K.K.) 26-02-1982
IDEM;

ABSTRACT EP 280559 A2

A test kit is used in an **agglutination** immunoassay to determine a multivalent immune species, such as Streptococcus A antigen, in a biological sample. The method includes contacting an aqueous solution of

the species with an **agglutination** indicator reagent having receptor molecules reactive with the species to form an agglutinate of the reaction product of species and receptor. These receptor molecules are bound to polymeric particles which contain tracer molecules. The resulting agglutinate is captured on a microporous membrane which has an average pore size which is at least five times greater than the average diameter of the polymeric particles. Unagglutinated residual materials are washed through the membrane using a wash solution. This solution has a pH of from 5 to 10 and an ionic strength of at least 0.25. Tracer is then determined either in the agglutinate or in the residual materials. The test kit includes the **agglutination** indicator reagent, the wash solution, and optionally an extraction composition.

ABSTRACT WORD COUNT: 163

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880831 A2 Published application (A1with Search Report ;A2without Search Report)
 *Assignee: 890830 A2 Applicant (transfer of rights) (change):
 EASTMAN KODAK COMPANY (a New Jersey corporation) (201210) 343 State Street
 Rochester New York 14650 (US) (applicant designated states: CH;DE;FR;GB;LI;SE)
 Search Report: 900919 A3 Separate publication of the European or International search report
 Examination: 910502 A2 Date of filing of request for examination: 910305
 Examination: 920930 A2 Date of despatch of first examination report: 920814
 Grant: 931020 B1 Granted patent
 Lapse: 940706 B1 Date of lapse of the European patent in a Contracting State: SE 931020
 Oppn None: 941012 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	928
CLAIMS B	(German)	EPBBF1	711
CLAIMS B	(French)	EPBBF1	794
SPEC B	(English)	EPBBF1	5178
Total word count - document A			0
Total word count - document B			7611
Total word count - documents A + B			7611

1/5/663 (Item 1 from file: 351)
 DIALOG(R)File 351:DERWENT WPI
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010028179 **Image available**
 WPI Acc No: 94-295892/199437
 XRAM Acc No: C94-134921
 XRPX Acc No: N94-232771

Eliminating the Hook effect in immuno-pptn. assays of protein etc. - by including soluble binder, with 2 binding sites for the analyte, in the reaction mixt.

Patent Assignee: BOEHRINGER MANNHEIM GMBH (BOEF)
 Inventor: BURNS G; ENGEL W

Number of Countries: 011 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
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EP 617285	A2	19940928	EP 94104525	A	19940322	G01N-033/543	199437	B
DE 4309393	A1	19940929	DE 4309393	A	19930323	G01N-033/543	199438	
JP 6324043	A	19941125	JP 9452117	A	19940323	G01N-033/543	199507	
EP 617285	A3	19950920	EP 94104525	A	19940322	G01N-033/543	199615	
JP 2688402	B2	19971210	JP 9452117	A	19940323	G01N-033/543	199803	

Priority Applications (No Type Date): DE 4309393 A 19930323

Cited Patents: EP 483512; EP 572845; FR 2652900; US 4595661; WO 8502258

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
EP 617285	A2	G	13				
Designated States (Regional): AT CH DE ES FR GB IT LI NL SE							
DE 4309393	A1		12				
JP 6324043	A		9				
JP 2688402	B2		9	Previous Publ.		JP 6324043	

Abstract (Basic): EP 617285 A

Determn. of an analyte (I) in a liq. sample comprises binding it to a specific **receptor** (R1) which is **immobilised** on a particulate material, present in the sample. The new feature is that the sample also contains a **soluble receptor** (R2), specific for (I) and having at least 2 binding sites for (I). Also new are reagents contg. immobilised R1 and R2.

USE - The method is used to determine (I) by immunopptn. (**nephelometry** or **turbidimetry**). (I) is partic. a protein in a body fluid, e.g. albumin; apolipoprotein; Ig; ferritin, etc..

ADVANTAGE - Using a mixt. of R1 and R2 is a simple way to reduce or eliminate interference from the Hook effect. Sensitivity in the rising part of the Heideberg curve is improved; the max. is shifted to higher (I) concn. and further increases in (I) concn. cause a much smaller fall in the curve.

Dwg.2/4

Title Terms: ELIMINATE; HOOK; EFFECT; IMMUNO; PRECIPITATION; ASSAY; PROTEIN ; SOLUBLE; BIND; BIND; SITE; ANALYTE; REACT; MIXTURE

Derwent Class: B04; J04; S03

International Patent Class (Main): G01N-033/543

International Patent Class (Additional): G01N-033/53; G01N-033/546;

G01N-033/563; G01N-033/577; G01N-033/76

File Segment: CPI; EPI

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\$2.50 2 Type(s) in Format 4 (UDF)

\$2.50 2 Types

\$2.98 Estimated cost File653

\$0.00 0.000 Hrs File5

\$0.00 Estimated cost File5

\$0.00 0.000 Hrs File340

\$1.20 1 Type(s) in Format 4 (UDF)

\$1.20 1 Types

\$1.20 Estimated cost File340
 \$0.00 0.000 Hrs File652
 \$0.00 Estimated cost File652
 \$0.22 0.001 Hrs File351
 \$3.35 1 Type(s) in Format 5
 \$3.35 1 Types
 \$3.57 Estimated cost File351
 \$0.00 0.000 Hrs File442
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 \$63.02 Estimated total session cost 0.033 Hrs.
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